



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

December 31, 1992

GREDE FOUNDRIES INC
ATTN RONALD OLSON
801 S CARPENTER AVE
KINGSFORD MI 49801-5594

RE: US EPA ID Number MID 006 131 890
Location: 801 S CARPENTER AVE
KINGSFORD MI

In response to your correspondence of SEP 28 1992, the following
information has been updated:

Location of installation to	801 S CARPENTER AVE
Installation mailing address to	801 S CARPENTER AVE
Contact change to	RONALD OLSON
Legal owner change to	GREDE FOUNDRIES INC
Addition of waste code	D000 D001 D002 D0018 D039

If you have any questions, please call me at (312) 886-6173.

Sincerely,

A handwritten signature in cursive script that reads "Sharon Kiddon".

Sharon Kiddon
RCRA Notifications Coordinator
Waste Management Division

cc: State Agency
File



GREDE FOUNDRIES, INC.

GENERAL OFFICES

P.O. BOX 26499
MILWAUKEE, WISCONSIN 53226-0499
TELEPHONE (414) 257-3600

GRAY IRON

IRON MOUNTAIN FOUNDRY-KINGSFORD, MICHIGAN
ROBERTS FOUNDRY CO., INC.-GREENWOOD, SOUTH CAROLINA
DUCTILE IRON

LIBERTY FOUNDRY-WAUWATOSA, WISCONSIN
REEDSBURG FOUNDRY-REEDSBURG, WISCONSIN
WICHITA FOUNDRY-WICHITA, KANSAS

STEEL

MILWAUKEE STEEL FOUNDRY-MILWAUKEE, WISCONSIN

SPECIAL SERVICES

SHORT RUN SPECIALTY FOUNDRY-MILWAUKEE, WISCONSIN
TOOLING CENTER-MILWAUKEE, WISCONSIN
MIDLAND METAL TREATING-FRANKLIN, WISCONSIN

May 23, 1986

Ms. Randi Kim
US - EPA
Region V
230 South Dearborn Street
Chicago, IL 60604

RECEIVED

MAY 28 1986

SWD - MID
U.S. EPA, REGION V

RECEIVED

MAY 27 1986

Dear Ms. Kim:

SOLID WASTE DIVISION
U.S. EPA, REGION V

RE: Part A Application MID 006 131 890

G TSD PA

This letter responds to questions raised during the meeting at your office on May 1, 1986, and our telephone conversation of May 19, 1986.

At our Iron Mountain plant, Grede Foundries will institute a totally enclosed method of chemically fixing the hazardous ingredients of our cupola baghouse dust. In this way we will prevent the lead and cadmium contained in the dust from leaching out, thus enabling us to remove this material (baghouse dust) from the hazardous substance inventory.

Our method for accomplishing this task includes the addition of calcium hydroxide or magnesium hydroxide to the stream of baghouse dust after it leaves the hopper and before it reaches the dust exit out fall. Engineering on this system has begun with the assignment of one engineer (Louis Glassman) to the project. His project includes:

1. Metering systems for both baghouse dust and fixing agent.
2. Blending system for guaranteed homogeneity.
3. Back up system to deal with possible break down.
4. Canvass of market to locate equipment and vendors that meet specified requirements.

We estimate that the complete engineering plan including drawings will be complete and ready for submittal to your office for approval in five weeks.

During the engineering study we are conducting supplementary testing of the fixing capabilities of both calcium hydroxide and magnesium hydroxide in liquid form to determine the best performance recipe for our operation. The EP Toxic Leach testing will be conducted by the CBC Aqua Search Laboratory in Milwaukee.

US - EPA
Ms. Randi Kim

- 2 -

May 23, 1986

Following approval of the plan by your office, we estimate ten weeks in order and delivery time for the mixing/conveying system and the metering valves. When we have the equipment at the plant we can have it installed and operational in one week. We have therefore estimated that plan can be operational in sixteen weeks plus the time required for EPA approval.

Unless you have further questions, the next correspondence from this office will be the submittal of the engineering plan for your approval.

Sincerely,

GREDE FOUNDRIES, INC.



David C. Van Dyke
Director of Safety and
Environmental Protection

DCVD:rm/F/14

cc: Mr. James Roberts - Michigan DNR



GREDE FOUNDRIES, INC.

GENERAL OFFICES

P.O. BOX 26499
MILWAUKEE, WISCONSIN 53226-0499
TELEPHONE (414) 257-3600

MF Unit/Randi Kim

GRAY IRON

IRON MOUNTAIN FOUNDRY-KINGSFORD, MICHIGAN
ROBERTS FOUNDRY CO., INC.-GREENWOOD, SOUTH CAROLINA

DUCTILE IRON

LIBERTY FOUNDRY-WAUWATOSA, WISCONSIN
REEDSBURG FOUNDRY-REEDSBURG, WISCONSIN
WICHITA FOUNDRY-WICHITA, KANSAS

STEEL

MILWAUKEE STEEL FOUNDRY-MILWAUKEE, WISCONSIN

SPECIAL SERVICES

SHORT RUN SPECIALTY FOUNDRY-MILWAUKEE, WISCONSIN
TOOLING CENTER-MILWAUKEE, WISCONSIN
MIDLAND METAL TREATING-FRANKLIN, WISCONSIN

May 2, 1986

Mr. Y. J. Kim
US. EPA
Region V
230 South Dearborn Street
Chicago, IL 60604

Dear Mr. Kim:

RE: 5HS-JCK-13

We were unable to respond to Ms. Ardiente's letter of March 25, 1986, within the thirty day time period specified due to uncertainties of which data specifications were required. We met with Ms. Randi Kim of US. EPA and Mr. James Roberts of Michigan DNR on May 1, 1986, to review the various options and interpretations affecting our response and now have a clearer perspective of the situation.

Grede Foundries now requests an extension of our response time to prepare a proper report for your office.

Thank You.

Sincerely,

GREDE FOUNDRIES, INC.

David C. Van Dyke
Director of Safety and
Environmental Protection

DCVD:rm/F/19

RECEIVED

MAY 05 1986

SOLID WASTE BRANCH
U.S. EPA, REGION V

CONVERSATION RECORD

TIME

5/1/86

DATE

3:40

TYPE

☒ VISIT

☐ CONFERENCE

☐ TELEPHONE

☐ INCOMING

☐ OUTGOING

ROUTING

NAME/SYMBOL

INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT

WITH YOU DAVID VAN DYKE
JIM WILLIAMS GREDE
JIM ROBERTS-MONR

ORGANIZATION (Office, dept., bureau, etc.)

TELEPHONE NO.

SUBJECT

Grede Foundries

SUMMARY

The purpose of this meeting was to discuss Ms. Edith Ardiente's (TPS, EPA) letter of March 25, 1986. The first topic was the treatment method. Jim Roberts stated that treatment by dilution-versus treatment by attenuation - is not allowed by MONR. Therefore documentation proving the waste is being attenuated must be provided, he said. The documentation must include the test methods used, the data collected, and any narrative necessary to explain the above. J. Williams said that the EP toxicity test ^{is} ~~was~~ conducted monthly and that ^{is} ~~was~~ each batch weighed to ensure a 6:1 ratio.

The second topic was regarding the treatment

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

RAND, Kim

SIGNATURE



DATE

ACTION TAKEN

SIGNATURE

TITLE

DATE

vessel. Dave asked if a ~~tank~~ treatment unit within the baghouse would comply with the totally enclosed treatment exemption.

I said that although we would have to see the actual engineering plans first, it appears to be a possibility.

We said that the treatment tank would also be a possibility.

Finally, we said that the cement mixer being used as a treatment vessel would require a permit.

Please File
Part A

5HS-JCK-13

25 MAR 1986

Mr. James T. Williams
Vice-President
Grede Foundries, Inc.
Iron Mountain Foundry
P.O. Box 26499
Milwaukee, WI 53226

RE: Part A Application
MID 006 131 890

Dear Mr. Williams:

We have reviewed your request for an exemption as a totally enclosed treatment facility. This review is primarily based on the information obtained during our site investigation (December 5, 1985) conducted by Ms. Randi Kim, of my staff, and Mr. Jim Roberts, of the Michigan Department of Natural Resources. We have also recently received regulatory clarification for the application of the totally enclosed treatment exemption, at your facility, from the Office of Solid Waste, Washington, D.C. The proposed process modification, i.e. replacing the mixing truck with a treatment tank, was also considered. We have concluded that the system cannot be classified as totally enclosed because of the reasons below.

As stated in our letter of October 21, 1985, the "discharger" of the system at present is made of permeable materials; and therefore, does not prevent releases of hazardous waste into the environment during treatment. To confirm this, during your demonstration of the mixing operation, releases were witnessed. We also said that a non-stationary treatment vessel is not acceptable.

Since we have not received any definite proposals for the installation of a mixing tank, we can not determine whether the tank could technically prevent releases of hazardous waste into the environment during treatment through the use of traps, recycle lines, etc. Therefore, the central issue is whether the mixing tank would be considered directly connected to the industrial production process, satisfying one condition of a totally enclosed treatment facility as defined in 40 CFR 260.10. At your facility, the cupola is part of the industrial production process, since it produces reusable metal; and the baghouse is part of the waste treatment process, since the sludge is not associated with product or raw materials (i.e. the sludge is disposed of, not recovered for further recycling). Hence, the treatment that occurs downstream of the baghouse cannot qualify for a totally enclosed treatment exemption, since the cupola is open to the air before the hood collects the dust.

You may wish to explore alternate management practices that would exclude the emission control dust from the definition of a solid waste. Therefore, the material would not be regulated under RCRA. If the fines were returned to the cupola for metal recovery, the entire process would be viewed as closed loop recycling, and the baghouse sludge would not be considered a solid waste according to 40 CFR 261.2(e)(iii). If the sludge were reclaimed elsewhere, it also would not be considered a solid waste, according to 261.2(c)(3). Sludges being reclaimed are not solid waste unless specifically listed, and this particular sludge is not.

In addition, the system may qualify as a totally enclosed treatment process if it was engineered differently. By connecting the hood directly to the cupola, the system could then meet the criteria for being directly connected to an industrial production process. However, the treatment units must still meet the technical standards for being closed to the environment.

Since mixing the baghouse dust with bentonite clay as described would require a RCRA permit for treatment, you may wish to pursue one of these other approaches that are not regulated under RCRA. According to data from the 1981 mail survey, many waste streams of K061 and K069 sludge are recycled both on and off site, so you may find that recycling is a cost effective management strategy.

Changes in the processes for the treatment, storage, or disposal of hazardous waste may be made at a facility or additional processes may be added if you submit a revised Part A permit application prior to such a change (along with a justification explaining the need for the change) and if the EPA approves the change because it is necessary to comply with the interim status standards of 40 CFR Part 265, according to 40 CFR 270.72(c). The standards for chemical treatment in other than tanks, surface impoundments, and land treatment facilities state that hazardous wastes must not be placed in the treatment process or equipment if they could cause the treatment process or equipment to leak [Subpart D]. Since leaks were noted, as previously mentioned, your treatment process is not in compliance with these standards. Hence, the application revisions, explaining what process changes will occur, must be submitted.

During our site visit, we had also requested that you provide us with information regarding your clay adsorption methods. Specifically, provide laboratory data for EP toxicity tests conducted, quality control procedures (clay added vs. metal content), and specifications for the sand/clay mixture. Also include answers to questions 1, 2, and 3 of Mr. Roberts' letter to you, dated October 24, 1985.

Please submit this information as soon as possible, but no later than 30 days of the date of this letter. If you have any questions, please call Ms. Randi Kim at (312)886-6151.

Sincerely,

Ms. Edith M. Ardiente, P.F.
Chief, Technical Programs Section

cc: Alan J. Howard (MDNR)
Rick Karl (HMER) ✓

3 1 MAR 1983

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

SNW-13

Mr. James T. Williams
Vice President
Iron Mountain Foundry-
Grede Foundries Inc.
P.O. Box 26499
Milwaukee, Wisconsin 53226

Re: Grede Foundries
EPA ID NO. MID 006131690

Dear Mr. Williams:

The referenced company has submitted a Part A Hazardous Waste Permit Application to treat, store, or dispose of hazardous waste under the Resource Conservation and Recovery Act (RCRA) as amended. Our records indicate, however, that the reference facility did not submit its 1) notification of hazardous waste activity or 2) Part A of the hazardous waste permit application in a timely manner and therefore does not qualify for interim status. Without having interim status a facility cannot treat, store, or dispose of hazardous waste unless that facility has a full RCRA permit. Please check your records as to the actual submittal dates. The notification of hazardous waste activity (EPA Form 8700-10) should have been submitted by August 18, 1980, and the Part A of the hazardous waste permit application (EPA Form 3500-1 and 3500-3) by November 19, 1980.

The United States Environmental Protection Agency (U.S. EPA) has adopted a policy that will allow facilities which failed to achieve interim status, as a result of untimely submittals, to continue to operate via the issuance of a compliance order. Before the Agency issues such an order, the actual submittal dates must be verified.

Federal regulations (40 CFR Part 265 Subpart H) require that hazardous waste treatment, storage, and disposal facilities shall provide to U.S. EPA proof of financial assurance for closure by July 6, 1983, and liability coverage by July 15, 1983, (40 CFR 265.143 and 265.147 respectively). To date U.S. EPA has not received proof of financial assurance and liability coverage. The Agency considers these financial responsibility proofs as significant requirements of the hazardous waste regulations.

Your application indicates that the referenced company treats, stores or disposes of hazardous waste; by this letter U.S. EPA is requesting that you:

1. Provide U.S. EPA with your verified submission dates for your notification of hazardous waste activity and Part A of the hazardous waste permit application and
2. If your facility does in fact treat, store or dispose of hazardous waste, provide U.S. EPA with the appropriate financial responsibility proofs required by 40 CFR Part 265 Subpart H. Failure to provide these required proofs within 30 days of receipt of this notice may subject the facility to further enforcement. RCRA provides for civil penalties up to \$25,000 per violation.

As an alternative to providing RCRA proof of financial responsibility, you may wish to discontinue operation as a treatment, storage, or disposal facility.

Enclosed are a set of instructions for withdrawing your RCRA permit application and closure of an RCRA facility.

Send your response within 30 days to:

RCRA Activities
P.O. Box A3587
Chicago, IL 60690

Mr. Thomas B. Colz, at (312) 886-4023 can provide additional information concerning the financial requirements and Dr. David Homer at (312) 886-3790 concerning the withdrawal and closure requirements.

Sincerely,

William H. Miner, Chief
Technical, Permits, and Compliance Section

Enclosures

24
3/28/83

WHM 3/29

PS Form 3811, July 1982

● **SENDER: Complete items 1, 2, 3, and 4.**
Add your address in the "RETURN TO"
space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

☐ Show to whom and date delivered \$

☐ Show to whom, date, and address of delivery .. \$

2. ☐ **RESTRICTED DELIVERY** \$

(The restricted delivery fee is charged in addition
to the return receipt fee.)

TOTAL \$ _____

3. **ARTICLE ADDRESSED TO:**

James T. Williams, V.P.

Iron Mountain Foundry

P.O. Box 26499

Milwaukee, WI 53226

4. **TYPE OF SERVICE:**

☐ REGISTERED

☐ INSURED

☐ CERTIFIED

☐ COD

☐ EXPRESS MAIL

ARTICLE NUMBER

P456 027 787

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

Robert H. Klockner

5. **DATE OF DELIVERY**

POSTMARK
(may be on reverse side)

6. **ADDRESSEE'S ADDRESS** (Only if requested)

7. **UNABLE TO DELIVER BECAUSE:**

7a. **EMPLOYEE'S
INITIALS**

RETURN RECEIPT

571

GREDE FOUNDRIES, INC.

EXECUTIVE
OFFICES

RECEIVED

DEC 05 1980

WASTE MANAGEMENT BRANCH
EPA, REGION V

November 28, 1980

U.S. Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, IL 60604

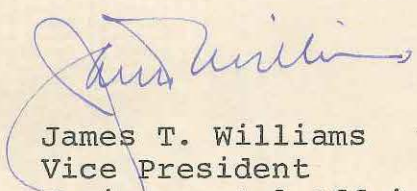
Gentlemen:

The attached, completed Environmental Protection Agency forms #1 and #3, together with appropriate supporting documents, constitute our application for a permit as an interim status treater of waste.

We would appreciate having this application processed through the normal approval channels. Since we did not want to delay our application longer, we have copied an old duplicate form. Should you have any question regarding the application, or any of the material supplied, please contact me at area 414, 671-2345, extension 261.

Sincerely,

GREDE FOUNDRIES, INC.



James T. Williams
Vice President
Environmental Affairs and
Industrial Engineering

Encl.
mav

DEC 03 1980

MAY 25 1994

14 1994

MAR 28 1994

MID 006 131 890

A. GENERAL INFORMATION (MDNR USE ONLY): Obtained information from the notification form or current EPA notification printout			
Facility Name <i>Grede Foundries Inc</i>	EPA ID Number <i>MI 1999 11590</i>	County : <i>DeKalb</i> County #:	
Facility Location <i>801 South Carpenter</i>	Compliance Evaluation Inspection (CEI) Date		
Facility Mailing Address (if different than above) <i>Kingsford MI</i>	Status as indicated on notification form:		
MDNR Inspector Name/Telephone Number/District Office <i>Hank Switzer 906-221-6561 - Marquette</i>	LQG SQG CESQG TRANS TSDF OTHER <i>see attach EPA Change</i>		

B. STATUS CHANGE INFORMATION - TO BE COMPLETED BY FACILITY (check all that apply):

RECEIVED
WMD RECORD CENTER

Change this Facility's Notification Status to:

MAY 31 1994

- ☐ 11. NON-HANDLER
This facility does not generate, transport, treat, store or dispose of any hazardous waste, and does not intend to conduct such activities in the future.
- ☐ 12. CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)
When you add up the quantity of the hazardous waste generated in a calendar month, if the facility generates less than or equal to: 100kg or 220lbs of hazardous waste; less than 1kg or 2.2lbs of acute or severe toxicity hazardous waste; less than 100kg or 220lbs of acute hazardous waste spill cleanup material AND accumulates less than the following at any time; 1,000kg or 2,200lbs of hazardous waste; 1kg or 2.2lbs of severe toxicity hazardous waste. We intend to continue to meet these generation and accumulation requirements in the future.
- ☒ 13. SMALL QUANTITY GENERATOR *C-2R*
When you add up the quantity of the hazardous waste generated in a calendar month, if the facility generates less than: 1,000kg or 2200lbs of hazardous waste; less than 1kg or 2.2lbs of acute or severe toxicity hazardous waste; less than 100kg or 220lbs of acute hazardous waste spill cleanup material AND accumulates less than the following at any time; 6,000kg or 13,200lbs of hazardous waste; 1kg or 2.2lbs of severe toxicity hazardous waste; 100kg or 220lbs of acute hazardous waste spill cleanup material and accumulate this waste in tanks or containers for less than 180 days (or 270 days if the designated facility is over 200 miles). We intend to continue to meet these generation and accumulation requirements in the future.
- ☐ 14. LARGE QUANTITY GENERATOR
When you add up the quantity of the hazardous waste generated in a calendar month, if the facility generates more than: 1,000kg or 2200lbs of hazardous waste; equal to or more than 1kg or 2.2lbs of acute or severe toxicity hazardous waste; equal to or more than 100kg or 220lbs of acute hazardous waste spill cleanup material AND accumulates hazardous waste in tanks or containers for 90 days or less. We intend to meet these generation and accumulation requirements in the future.
- ☐ 15. TRANSPORTER
This facility transports hazardous waste:
☐ own waste ☐ commercial purposes by ☐ air, ☐ rail, ☐ highway, ☐ water, ☐ other _____
- ☐ 16. TREATMENT, STORAGE OR DISPOSAL FACILITY
This facility treats hazardous waste, stores hazardous waste for more than 90 days (or the 180/270) and/or disposes of hazardous waste on-site.
- ☐ 17. OTHER: This facility is
☐ Generator marketing hazardous waste fuel to burner
☐ Other marketing hazardous waste fuel to burner
☒ Burner with: ☒ Utility Boiler ☐ Industrial Boiler ☐ Industrial Furnace
☐ Underground Injection Control
☐ Generator Marketing Off-Specification Used Oil Fuel to Burner
☐ Other Marketing Off-Specification Used Oil Fuel to Burner

C. CERTIFICATION:(To be completed by facility)

The following certification must be signed by the owner or operator of the facility or by an authorized representative of the facility. An "authorized representative" is a person responsible for the overall operation of the facility.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Name (please print) <i>Ronald L Olson</i>	Signature <i>Ronald L Olson</i>	Date Signed <i>21 Dec 93</i>
Title <i>Plant Eng MGR</i>	Telephone Number <i>906-774-7250</i>	Mailing address (if different than above addresses) <i>801 So. Carpenter Ave Kingsford MI 49432</i>



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY FEB 14 1994
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

December 31, 1992

GREDE FOUNDRIES INC
ATTN RONALD OLSON
801 S CARPENTER AVE
KINGSFORD MI 49801-5594

RECEIVED
WMD RECORD CENTER
MAY 31 1994

RE: US EPA ID Number MID 006 131 890
Location: 801 S CARPENTER AVE
KINGSFORD MI

In response to your correspondence of SEP 28 1992, the following information has been updated:

Location of installation to	801 S CARPENTER AVE
Installation mailing address to	801 S CARPENTER AVE
Contact change to	RONALD OLSON
Legal owner change to	GREDE FOUNDRIES INC
Addition of waste code	D000 D001 D002 D0018 D039

If you have any questions, please call me at (312) 886-6173.

Sincerely,

Sharon Kiddon
RCRA Notifications Coordinator
Waste Management Division

cc: State Agency
File

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

MAR 28 1994

U.S. EPA REGION 1

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐

A. First Notification

☒

B. Subsequent Notification
(complete item C)

C. Installation's EPA ID Number

M I D 0 0 6 1 3 1 8 9 0

II. Name of Installation (Include company and specific site name)

G R E D E F O U N D R I E S I N C .

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

8 0 1 S O U T H C A R P E N T E R A V E N U E

Street (continued)

City or Town

K I N G S F O R D

State

ZIP Code

M I

4 9 8 0 1 - 5 5 9 4

County Code

County Name

0 2 2 D I C K I N S O N

IV. Installation Mailing Address (See instructions)

Street or P.O. Box

S A M E

City or Town

State

ZIP Code

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

O L S O N

(first)

R O N A L D

Job Title

P L A N T E N G . M G R .

Phone Number (area code and number)

9 0 6 - 7 7 4 - 7 2 5 0

VI. Installation Contact Address (See instructions)

A. Contact Address
Location Mailing

X

B. Street or P.O. Box

City or Town

State

ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

G R E D E F O U N D R I E S I N C .

Street, P.O. Box, or Route Number

P O 2 6 4 9 9

City or Town

M I L W A U K E E

State

ZIP Code

W I

5 3 2 2 6 - 0 4 9 9

Phone Number (area code and number)

4 1 4 - 2 5 7 - 3 6 0 0

B. Land Type

P

C. Owner Type

P

D. Change of Owner Indicator

Yes

No

X

(Date Changed)
Month Day Year

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions.)

A. Hazardous Waste Activity

B. Used Oil Fuel Activities

1. Generator (See Instructions)
- ☐ a. Greater than 1000kg/mo (2,200 lbs.)
- ☒ b. 100 to 1000 kg/mo (220 - 2,200 lbs.)
- ☐ c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5 below)
- ☐ a. For own waste only
- ☐ b. For commercial purposes
- Mode of Transportation
- ☐ 1. Air
- ☐ 2. Rail
- ☐ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify _____
- ☐ 3. Treater, Storer, Disposer (at installation)
Note: A permit is required for this activity; see instructions.
- ☐ 4. Hazardous Waste Fuel
- ☐ a. Generator Marketing to Burner
- ☐ b. Other Marketers
- ☐ c. Burner - indicate device(s) -
Type of Combustion Device
- ☐ 1. Utility Boiler
- ☐ 2. Industrial Boiler
- ☐ 3. Industrial Furnace
- ☐ 5. Underground Injection Control

1. Off-Specification Used Oil Fuel
- ☐ a. Generator Marketing to Burner
- ☐ b. Other Marketer
- ☐ c. Burner - indicate device(s) -
Type of Combustion Device
- ☐ 1. Utility Boiler
- ☐ 2. Industrial Boiler
- ☐ 3. Industrial Furnace
- ☐ 2. Specification Used Oil Fuel Marketer
(or On-site Burner) Who First Claims
the Oil Meets the Specification

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001) ☒
2. Corrosive (D002) ☐
3. Reactive (D003) ☐
4. EP Toxic (D000) ☒
- (List specific EPA hazardous waste number(s) for the EP Toxic contaminant(s))
- D 0 1 8 D 0 3 9

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6
7	8	9	10	11	12

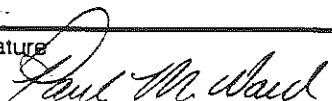
C. Other Wastes. (State or other wastes requiring an I.D. number. See instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature



Name and Official Title (type or print)

Paul M. Ward, Works Manager

Date Signed

9-23-92

XI. Comments

Waste petroleum naphtha from maintenance parts cleaner.

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

SEP 28 1992

U. S. EPA, REGION V

SWS - PHS

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐

A. First Notification

☒B. Subsequent Notification
(complete item C)

C. Installation's EPA ID Number

M 1 D 0 0 6 1 3 1 8 9 0

II. Name of Installation (Include company and specific site name)

G R E D E F O U N D R I E S I N C .

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

8 0 1 S O U T H C A R P E N T E R A V E N U E

Street (continued)

City or Town

K I N G S F O R D

State

ZIP Code

M I 4 9 8 0 1 - 5 5 9 4

County Code

County Name

0 2 2 D I C K I N S O N

IV. Installation Mailing Address (See instructions)

Street or P.O. Box

S A M E

City or Town

State

ZIP Code

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

(first)

O L S O N

R O N A L D

Job Title

Phone Number (area code and number)

P L A N T E N G . M G R . 9 0 6 - 7 7 4 - 7 2 5 0

VI. Installation Contact Address (See instructions)

A. Contact Address
Location Mailing

B. Street or P.O. Box

☒

City or Town

State

ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

G R E D E F O U N D R I E S I N C .

Street, P.O. Box, or Route Number

P O 2 6 4 9 9

City or Town

State

ZIP Code

M I L W A U K E E W I 5 3 2 2 6 - 0 4 9 9

Phone Number (area code and number)

B. Land Type

C. Owner Type

D. Change of Owner
Indicator

(Date Changed)

Month Day Year

4 1 4 - 2 5 7 - 3 6 0 0

P

P

Yes

No

X

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

1. Generator (See Instructions)
- ☐ a. Greater than 1000kg/mo (2,200 lbs.)
- ☒ b. 100 to 1000 kg/mo (220 - 2,200 lbs.)
- ☐ c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5 below)
- ☐ a. For own waste only
- ☐ b. For commercial purposes
- Mode of Transportation
- ☐ 1. Air
- ☐ 2. Rail
- ☐ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify
- ☐ 3. Treater, Storer, Disposer (at installation)
Note: A permit is required for this activity; see instructions.
4. Hazardous Waste Fuel
- ☐ a. Generator Marketing to Burner
- ☐ b. Other Marketers
- ☐ c. Burner - indicate device(s) - Type of Combustion Device
- ☐ 1. Utility Boiler
- ☐ 2. Industrial Boiler
- ☐ 3. Industrial Furnace
- ☐ 5. Underground Injection Control

B. Used Oil Fuel Activities

1. Off-Specification Used Oil Fuel
- ☐ a. Generator Marketing to Burner
- ☐ b. Other Marketer
- ☐ c. Burner - indicate device(s) - Type of Combustion Device
- ☐ 1. Utility Boiler
- ☐ 2. Industrial Boiler
- ☐ 3. Industrial Furnace
- ☐ 2. Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001) ☒ 2. Corrosive (D002) ☐ 3. Reactive (D003) ☐ 4. EP Toxic (D000) ☒ (List specific EPA hazardous waste number(s) for the EP Toxic contaminant(s))
- D 0 1 8 D 0 3 9

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	8	9	10	11	12
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

C. Other Wastes. (State or other wastes requiring an I.D. number. See instructions.)

1	2	3	4	5	6
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature

Name and Official Title (type or print)

Paul M. Ward, Works Manager

Date Signed

9-23-92

XI. Comments

Waste petroleum naphtha from maintenance parts cleaner.

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

INSTALLATION'S EPA I.D. NO.	PLEASE PLACE LABEL IN THIS SPACE 000651 AUG 25 80 M1D006131890
I. NAME OF INSTALLATION	
II. INSTALLATION MAILING ADDRESS	
III. LOCATION OF INSTALLATION	

FOR OFFICIAL USE ONLY

[illegible]

INSTALLATION'S EPA I.D. NUMBER										APPROVED		DATE RECEIVED (yr., mo., & day)		GREDE FOUNDRIES INC IRON MT FDRY																	
S	1	2	3	4	5	6	7	8	9	10	11	12	13		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0006131890										A		800818																			

I. NAME OF INSTALLATION	
IRON MT FDRY GREGE FOUNDRIES INC	See ABOVE

II. INSTALLATION MAILING ADDRESS														
	STREET OR P.O. BOX													
C	P	O	B	O	X	2	6	4	9	9				
3														
15	16													

CITY OR TOWN															ST.		ZIP CODE						
C	M	I	L	W	A	U	K	E									W	I	5	3	2	2	6

III. LOCATION OF INSTALLATION	
STREET OR ROUTE NUMBER	
50	CARPENTER AVE

CITY OR TOWN															ST.			ZIP CODE						
C	6	K	I	N	G	S	F	O	R	D								M	I	4	9	8	0	1
	15	16															40	41	42	47			51	

IV. INSTALLATION CONTACT		NAME AND TITLE (last, first, & job title)												PHONE NO. (area code & no.)																								
C	2	J	A	M	E	S	T	W	I	L	L	I	A	M	S	V	P	E	N	V	A	F	F	A	I	R	4	1	4	-	6	7	1	-	2	3	4	5
15	16													45	46	-	48	49	-	51	52	-	55															

V. OWNERSHIP	
A. NAME OF INSTALLATION'S LEGAL OWNER	
C	GREDE FOUNDRIES INC
8	
15 16	55

B. TYPE OF OWNERSHIP (enter the appropriate letter into box)		VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))	
F = FEDERAL M = NON-FEDERAL	M	<input checked="" type="checkbox"/> A. GENERATION <small>57</small>	<input type="checkbox"/> B. TRANSPORTATION (complete item VII) <small>58</small>
	<small>56</small>	<input type="checkbox"/> C. TREAT/STORE/DISPOSE <small>59</small>	<input type="checkbox"/> D. UNDERGROUND INJECTION <small>60</small>

VII. MODE OF TRANSPORTATION (transporters only – enter “X” in the appropriate box(es))

<input type="checkbox"/> A. AIR 61	<input type="checkbox"/> B. RAIL 62	<input type="checkbox"/> C. HIGHWAY 63	<input type="checkbox"/> D. WATER 64	<input type="checkbox"/> E. OTHER (specify): 65
---------------------------------------	--	---	---	--

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

☒ A. FIRST NOTIFICATION ☐ B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.											
M	I	D	0	0	6	1	3	1	8	9	0

IX. DESCRIPTION OF HAZARDOUS WASTES
Please go to the reverse of this form and provide the requested information.

MLD 006131890 2

1		3		5		6
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
7	8	9	10	11	12	
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
19	20	21	22	23	24
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
25	26	27	28	29	30
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
37	38	39	40	41	42
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
43	44	45	46	47	48
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

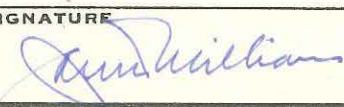
49	50	51	52	53	54
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

- ☐ 1. IGNITABLE (D001)
 ☐ 2. CORROSIVE (D002)
 ☐ 3. REACTIVE (D003)
 ☒ 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE 	NAME & OFFICIAL TITLE (type or print) JAMES T. WILLIAMS V.P., ENVIRONMENTAL AFFAIRS	DATE SIGNED 8/15/80
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ACKNOWLEDGEMENT OF NOTIFICATION
OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

• MID006131890 REACKNOWLEDGEMENT

GREDE FOUNDRIES INC IRON
PO BOX 26499
MILWAUKEE WI 53226

INSTALLATION ADDRESS

50 CARPENTER AVE
KINGSFORD MI 49801

11/20/80 571

FORM 1		EPA		ENVIRONMENTAL PROTECTION AGENCY		EPA I.D. NUMBER			
GENERAL		GENERAL INFORMATION		Consolidated Permits Program		FMD 006131890			
LABEL ITEMS		(Read the "General Instructions" before starting.)				D			
I. EPA I.D. NUMBER		PLEASE PLACE LABEL IN THIS SPACE		GENERAL INSTRUCTIONS If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.					
III. FACILITY NAME									
V. FACILITY MAILING ADDRESS									
VI. FACILITY LOCATION									
II. POLLUTANT CHARACTERISTICS									
INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.									
SPECIFIC QUESTIONS		MARK "X"		SPECIFIC QUESTIONS		MARK "X"			
		YES	NO	FORM ATTACHED			YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)			X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)			X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X			D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)			X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)			X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)			X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)			X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)			X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)			X	
III. NAME OF FACILITY									
IRON MOUNTAIN FOUNDRY GREDE FOUNDRIES INC									
IV. FACILITY CONTACT									
A. NAME & TITLE (last, first, & title)				B. PHONE (area code & no.)					
JAMES T. WILLIAMS VICE PRES.				414 671 2345					
V. FACILITY MAILING ADDRESS									
A. STREET OR P.O. BOX									
P.O. BOX 26499									
B. CITY OR TOWN				C. STATE		D. ZIP CODE			
MILWAUKEE				WI		53226			
VI. FACILITY LOCATION									
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER									
SOUTH CARPENTER AVENUE									
B. COUNTY NAME									
DICKINSON									
C. CITY OR TOWN				D. STATE		E. ZIP CODE		F. COUNTY CODE (if known)	
KINGSFORD				MI		49801			

EPA Form 3510-1 (6-80)

DEC 03 1980

CONTINUE ON REVERSE

VIL SIC CODES (4-digit, in order of priority)

A. FIRST				D. SECOND			
7	3	3	2	7			
(specify) IRON CASTINGS				(specify)			
C. THIRD				D. FOURTH			
7				7			
(specify)				(specify)			

VIII. OPERATOR INFORMATION

A. NAME												B. Is the name listed in Item VIII-A also the owner?	
8 GREDE FOUNDRIES INC.												<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)												D. PHONE (area code & no.)	
F = FEDERAL S = STATE P = PRIVATE				M = PUBLIC (other than federal or state) O = OTHER (specify)				P (specify)		A 414 671 2345			
E. STREET OR P.O. BOX													
P O BOX 26499													
F. CITY OR TOWN						G. STATE		H. ZIP CODE		IX. INDIAN LAND			
B MILWAUKEE						WI		53266		Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)						D. PSD (Air Emissions from Proposed Sources)					
9 N 2 2 0 0 2 5 0 0 5 0						9 P					
B. UIC (Underground Injection of Fluids)						E. OTHER (specify)					
9 U						(specify)					
C. RCRA (Hazardous Wastes)						E. OTHER (specify)					
9 R						(specify)					

XI. MAP

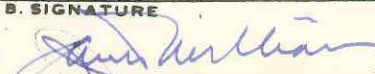
Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

THIS IS A FERROUS FOUNDRY PRODUCING CASTINGS
PRINCIPALLY FOR HEAVY INDUSTRY

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE		C. DATE SIGNED	
JAMES T. WILLIAMS, VICE PRES.				11/28/80	

COMMENTS FOR OFFICIAL USE ONLY

C											
---	--	--	--	--	--	--	--	--	--	--	--

FORM 3 RCRA EPA HAZARDOUS WASTE PERMIT APPLICATION Consolidated Permits Program (This information is required under Section 3005 of RCRA.) EPA I.D. NUMBER FMD 0061318901

FOR OFFICIAL USE ONLY APPLICATION APPROVED DATE RECEIVED (yr, mo, & day) COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date) 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) 2. NEW FACILITY (Complete item below.) FOR NEW FACILITIES, PROVIDE THE DATE (yr, mo, & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process. 1. AMOUNT - Enter the amount. 2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS		T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	ACRE-FEET	A	
LITERS	L	TONS PER HOUR	HECTARE-METER	F	
CUBIC YARDS	Y	METRIC TONS PER HOUR	ACRES	B	
CUBIC METERS	C	GALLONS PER HOUR	HECTARES	G	
GALLONS PER DAY	U	LITERS PER HOUR			

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP T/A C I

LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)			1. AMOUNT	2. UNIT OF MEASURE (enter code)
X-1	S 0 2	600	G	5			
X-2	T 0 3	20	E	6			
1	T 0 4	3	D	7			
2				8			
3				9			
4				10			

III. PROCESSES *continued*

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

THE PROCESS CONSISTS OF MIXING CUPOLA EMISSION CONTROL DUST, WHICH MEETS EP TOXICITY CHARACTERISTICS, WITH LARGER VOLUMES OF CERTAIN OTHER NON-HAZARDOUS FOUNDRY WASTE SANDS AND DUSTS SO THAT THE RESULTING MIXTURE NO LONGER MEETS USEPA HAZARDOUS WASTE CRITERIA. THESE NON-TOXIC WASTE SANDS AND DUSTS CONTAIN BENTONITE, WHICH, IN THE NON-ACIDIC ENVIRONMENT IN WHICH THE MIXTURE IS DISPOSED, HAS THE POTENTIAL TO ATTENUATE TOXIC METALS THAT MAY BE RELEASED BY THE CUPOLA DUST. COMMON CEMENT MIXING EQUIPMENT IS BEING USED TO MIX THE WASTES.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
POUNDS P
TONS T

METRIC UNIT OF MEASURE CODE
KILOGRAMS K
METRIC TONS M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

IV. DESCRIPTION OF HAZARDOUS WASTE

(continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)

IL D 00 6 1 3 1 8 9 0

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

4 5 4 8

0 8 8 0 4

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

JAMES T. WILLIAMS
VICE PRESIDENT

B. SIGNATURE

James T. Williams

C. DATE SIGNED

November 28, 1980

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

511

SKETCH OF FACILITY

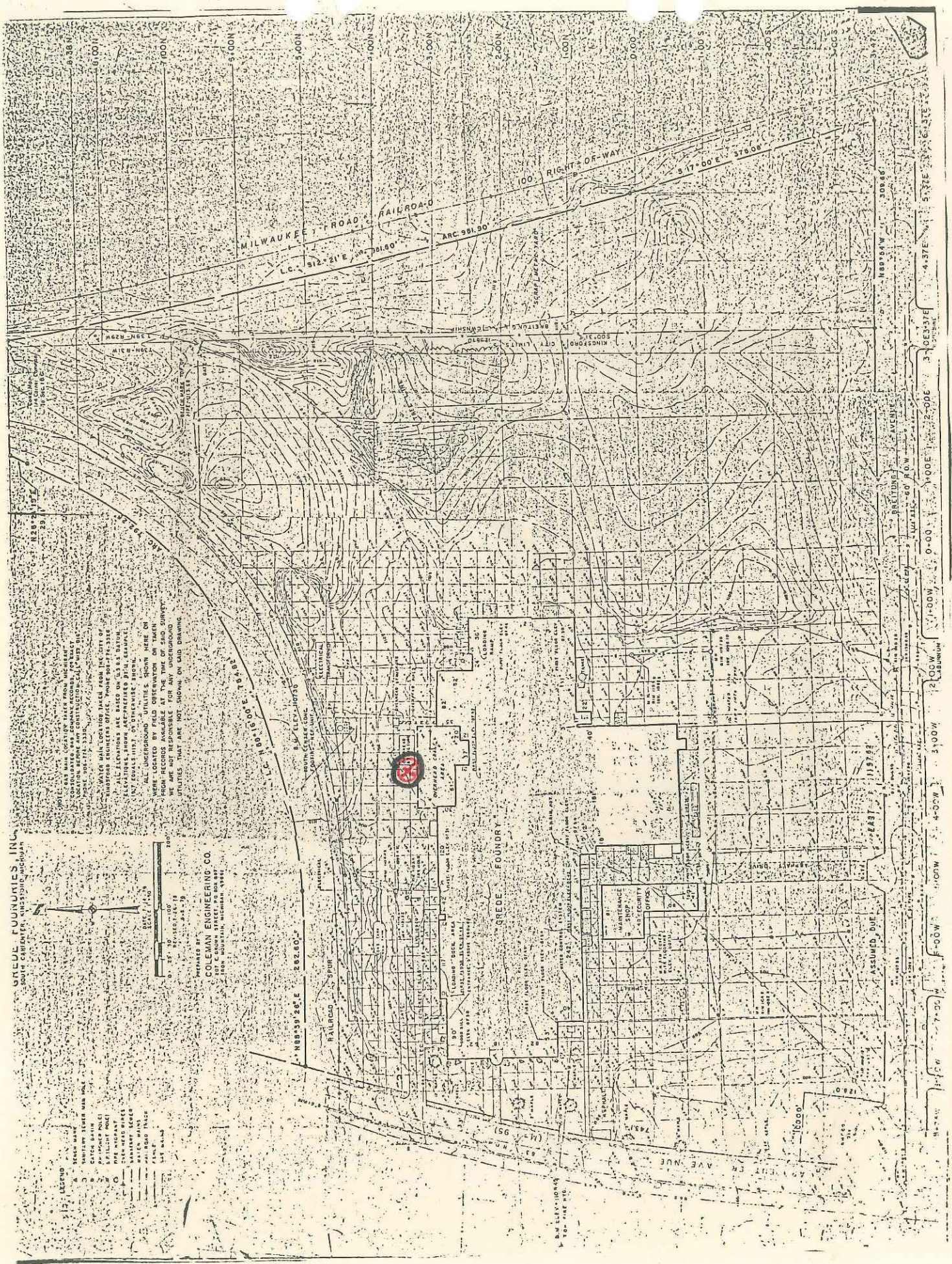


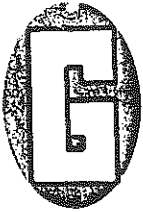
571



571







GREDE FOUNDRIES, INC.

GENERAL OFFICES

P.O. BOX 26499
MILWAUKEE, WISCONSIN 53226-0499
TELEPHONE (414) 257-3600

GRAY IRON

IRON MOUNTAIN FOUNDRY - KINGSFORD, MICHIGAN
ROBERTS FOUNDRY CO., INC. - GREENWOOD, SOUTH CAROLINA
GREDE PERM CAST, INC. - CYNTHIANA, KENTUCKY
GREDE-VASSAR, INC. - VASSAR, MICHIGAN

DUCTILE IRON

LIBERTY FOUNDRY - WAUWATOSA, WISCONSIN
REDSBURG FOUNDRY - REESBURG, WISCONSIN
WICHITA FOUNDRY - WICHITA, KANSAS
GREDE NEW CASTLE, INC. - NEW CASTLE, INDIANA

STEEL

MILWAUKEE STEEL FOUNDRY - MILWAUKEE, WISCONSIN

SPECIAL SERVICES

SHORT RUN SPECIALTY FOUNDRY - MILWAUKEE, WISCONSIN
FREDONIA FOUNDRY, INC. - FREDONIA, WISCONSIN

May 17, 1990

Mr. Steve Sliver
Waste Management Division
Michigan Dept. of Natural Resources
P.O. Box 30241
Lansing, Michigan 48909


Dear Steve:

Enclosed are the necessary forms for Grede Foundries, Inc., to self-insure \$2,000,000 of the hazardous waste insurance requirement. Upon the next renewal of our EIL policy with National Union we will be reducing the amount of insurance we purchase.

Should you have a problem with the preparation of these forms or want additional information please call.

Very truly yours,

GREDE FOUNDRIES, INC.


Gary A. Ertel
Assistant Treasurer

GAE:mdk:1

RECEIVED

MAY 24 1990

Marquette Dist. W.M.D.

RECEIVED

MAY 21 1990

GREDE FOUNDRIES, INC.

EXECUTIVE
OFFICES

May 3, 1983

RECEIVED

MAY 6 1983

WASTE MANAGEMENT BRANCH
EPA, REGION V

Mr. William H. Miner, Chief
Technical, Permits, and Compliance Section
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

Subject: Grede Foundries, Inc.
E.P.A. I.D. No. MID-006131890 PA, G

Dear Mr. Miner:

Attached is a corrected copy of the binder for our Environ-
mental Impairment Liability Insurance policy which is in the
process of issuance.

Sincerely yours,

James T. Williams
Vice President

JTW:ds/M/06

Attachment

cc: RCRA Activities
P.O. Box A3587
Chicago, IL 60690

William Muno
U.S. E.P.A.
230 S. Dearborn St.
Chicago, IL 60604

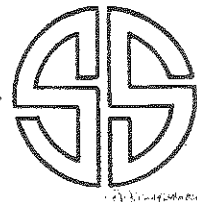
RECEIVED

Stewart Smith Mid America, Inc.

125 South Wacker Drive

Chicago, Illinois 60606

Phone (312) 236-7333



BINDER

THIS IS TO CERTIFY that the insurance hereinafter described has been bound with
GREAT AMERICAN SURPLUS LINES INSURANCE COMPANY

(hereinafter called the "Underwriters") by *Stewart Smith Mid America, Inc.*,
125 South Wacker Drive, Chicago, Illinois 60606 under authority granted to them by the Underwriters.

Assured GREDE FOUNDRIES, INC.

Address 9898 WEST BLUE MOUND ROAD
WAUWATOSA, WI 53226

Term: Effective at 12:01 A.M. on the 5TH day of APRIL 1983 and ending at 12:01 A.M.
on the 5TH day of APRIL 1984 Standard time at the address of assured as stated herein

Amount or Limit

\$3,000,000 ANY ONE LOSS/\$6,000,000 ALL LOSSES COMBINED
EXCESS OF A \$50,000 SELF-INSURED RETENTION

Kind of
Insurance

ENVIRONMENTAL IMPAIRMENT LIABILITY

This binder is subject to the following special conditions:

POLICY NUMBER: 3CM 01488
PREMIUM: \$21,000

In the event of cancellation or expiration of this binder without a policy being issued, the Underwriters shall be entitled to an earned premium for the time in force at short rate of the annual rate as charged by the Underwriters if cancelled by the Assured; and at a pro rata of the annual rate if cancelled by the Underwriters.

It is expressly understood and agreed by the Assured by accepting this instrument that *Stewart Smith Mid America, Inc.*, is not an Insurer hereunder and shall not be liable in any way nor to any extent whatever for any loss or claim.

Dated at Chicago, Illinois, this 28TH day of APRIL 19 83

MARSH & MCLENNAN

222 SOUTH RIVERSIDE PLAZA
CHICAGO, IL 60606

Broker

CAG/mtg

Stewart Smith Mid America, Inc.

By

William H. Boughey
SENIOR VICE PRESIDENT

GREDE FOUNDRIES, INC.

EXECUTIVE
OFFICES

April 25, 1983

Mr. William H. Miner, Chief
Technical, Permits, and Compliance Section
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

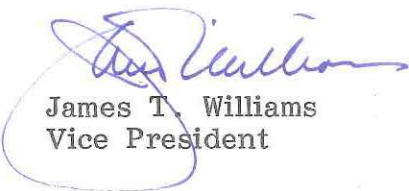
Subject: Grede Foundries, Inc.
E.P.A. I.D. No. MID-006131890

Dear Mr. Miner:

Attached is a copy of the binder for our Environmental
Impairment Liability Insurance policy which is in the process of
issuance.

We are working through the detail of financial assurance for
closure and should have that to you shortly.

Sincerely yours,



James T. Williams
Vice President

JTW:ds/M/06

Attachment

cc: RCRA Activities
P.O. Box A3587
Chicago, IL 60690

William Muno
U.S. E.P.A.
230 S. Dearborn St.
Chicago, IL 60604

RECEIVED
APR 27 1983

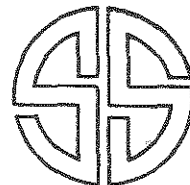
WASTE MANAGEMENT
BRANCH

Stewart Smith Mid America, Inc.

125 South Wacker Drive

Chicago, Illinois 60606

Phone (312) 236-7333



BINDER

THIS IS TO CERTIFY that the insurance hereinafter described has been bound with

GREAT AMERICAN SURPLUS LINES INSURANCE COMPANY

(hereinafter called the "Underwriters") by **Stewart Smith Mid America, Inc.**,
125 South Wacker Drive, Chicago, Illinois 60606 under authority granted to them by the Underwriters.

Assured GREDE FOUNDRIES, INC.

Address 9898 WEST BLUE MOUND ROAD
WAUWATOSA, WI 53226

Term: Effective at 12:01 A.M. on the 5TH day of APRIL 1983 and ending at 12:01 A.M.
on the 5TH day of APRIL 1984 Standard time at the address of assured as stated herein

Amount or Limit

\$3,000,000 ANY ONE LOSS/\$6,000,000 ALL LOSSES COMBINED
EXCESS OF A \$50,000,000 SELF-INSURED RETENTION

Kind of Insurance ENVIRONMENTAL IMPAIRMENT LIABILITY

This binder is subject to the following special conditions:

POLICY NUMBER: 3CM 01488
PREMIUM: \$21,000

In the event of cancellation or expiration of this binder without a policy being issued, the Underwriters shall be entitled to an earned premium for the time in force at short rate of the annual rate as charged by the Underwriters if cancelled by the Assured; and at a pro rata of the annual rate if cancelled by the Underwriters.

It is expressly understood and agreed by the Assured by accepting this instrument that **Stewart Smith Mid America, Inc.**, is not an Insurer hereunder and shall not be liable in any way nor to any extent whatever for any loss or claim.

Dated at Chicago, Illinois, this 11TH day of APRIL 19 83

MARSH & MCLENNAN
222 SOUTH RIVERSIDE PLAZA
CHICAGO, IL 60606

Broker _____

CAG/mtg

Stewart Smith Mid America, Inc.

By William H. Boughey
SENIOR VICE PRESIDENT

ARTHUR ANDERSEN & CO.
MILWAUKEE, WISCONSIN

To the Shareholders and the
Board of Directors of
Grede Foundries, Inc.:

We have examined the balance sheet of GREDE FOUNDRIES, INC. (a Wisconsin corporation) as of October 30, 1982, and October 31, 1981, and the related statements of income, reinvested earnings and changes in financial position for the fiscal years then ended. Our examinations were made in accordance with generally accepted auditing standards and, accordingly, included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the financial statements referred to above present fairly the financial position of Grede Foundries, Inc. as of October 30, 1982, and October 31, 1981, and the results of its operations and the changes in its financial position for the fiscal years then ended, in conformity with generally accepted accounting principles applied on a consistent basis.

ARTHUR ANDERSEN & CO.

Milwaukee, Wisconsin,
November 22, 1982.

GREDE FOUNDRIES, INC.

BALANCE SHEET -- OCTOBER 30, 1982, AND OCTOBER 31, 1981

<u>ASSETS</u>	<u>1982</u>	<u>1981</u>	<u>LIABILITIES AND SHAREHOLDERS' EQUITY</u>	<u>1982</u>	<u>1981</u>
CURRENT ASSETS:			CURRENT LIABILITIES:		
Cash	\$ 726,000	\$ 345,000	Current maturities of long-term debt	\$ 1,125,000	\$ 994,000
Marketable securities, at cost			Accounts payable	2,917,000	6,644,000
which approximates market	4,330,000	11,350,000	Accrued expenses-		
Accounts receivable, less allowance			Salaries, wages, commissions and		
for doubtful accounts of \$150,000			bonuses	1,406,000	3,390,000
and \$85,000, respectively	4,979,000	15,510,000	Taxes, other than income	528,000	470,000
Inventories (Note 1)	4,565,000	7,760,000	Retirement benefits (Note 2)	236,000	2,244,000
Refundable income taxes (Note 6)	4,071,000	-	Federal and state income taxes (Note 6)	265,000	899,000
Other	827,000	1,296,000	Other	510,000	568,000
	-----	-----		-----	-----
Total current assets	19,498,000	36,261,000	Total current liabilities	6,987,000	15,209,000
OTHER ASSETS:					
Cash surrender value of officers'					
life insurance, less policy loans			LONG-TERM DEBT (Note 4)	9,244,000	8,528,000
of \$1,996,000 and \$1,916,000,					
respectively	112,000	84,000	DEFERRED PENSION (Note 2)	750,000	-
Industrial revenue bond funds in					
trust (Note 8)	1,414,000	962,000	DEFERRED FEDERAL INCOME TAXES (Note 6)	239,000	213,000
Nonoperating properties (land,					
buildings and equipment) at			SHAREHOLDERS' EQUITY:		
cost less accumulated deprecia-			Capital stock-		
tion of \$6,466,000 and \$30,000,	3,520,000	15,000	Preferred, 5% cumulative, \$100 par		
respectively (Note 9)	452,000	81,000	value (authorized, 12,500 shares;		
Other	-----	-----	outstanding, 84 and 151 shares,		
Total other assets	5,498,000	1,142,000	respectively)	9,000	15,000
			Common, Class A, voting, \$10 par		
PROPERTY, PLANT AND EQUIPMENT (Note 1):			value (authorized, 200,000 shares;		
Land, buildings and improvements	11,844,000	12,848,000	outstanding, 96,578 shares)	966,000	966,000
Machinery and equipment	40,780,000	41,497,000	Common, Class B, voting, \$1 par		
Improvements in process	411,000	325,000	value (authorized, 250,000 shares;		
	-----	-----	outstanding, 196,350 shares)	196,000	196,000
	53,035,000	54,670,000	Additional paid-in capital	232,000	232,000
Less- Accumulated depreciation	26,801,000	30,658,000	Reinvested earnings	32,607,000	36,056,000
	-----	-----		-----	-----
Net property, plant and	26,234,000	24,012,000	Total shareholders' equity	34,010,000	37,465,000
equipment	-----	-----		-----	-----
	\$51,230,000	\$61,415,000		\$51,230,000	\$61,415,000
	=====	=====		=====	=====

The accompanying notes to financial statements are an integral part of this balance sheet.

GREDE FOUNDRIES, INC.

STATEMENT OF INCOME

FOR THE YEARS ENDED

OCTOBER 30, 1982, AND OCTOBER 31, 1981

	<u>1982</u>	<u>1981</u>
NET SALES	\$ 55,507,000	\$ 93,331,000
COST OF SALES	52,323,000	75,411,000
	<u>3,184,000</u>	<u>17,920,000</u>
Gross income		
SELLING AND ADMINISTRATIVE EXPENSES	7,269,000	8,659,000
OTHER INCOME (EXPENSE):		
Interest expense	(970,000)	(1,122,000)
Interest income	1,349,000	1,210,000
Other, net	10,000	(302,000)
	<u>389,000</u>	<u>(214,000)</u>
Income (loss) from continuing operations before provision (credit) for income taxes	(3,696,000)	9,047,000
PROVISION (CREDIT) FOR INCOME TAXES (Note 6):		
Current	(2,013,000)	3,624,000
Deferred	(165,000)	266,000
	<u>(2,178,000)</u>	<u>3,890,000</u>
Income (loss) from continuing operations	(1,518,000)	5,157,000
DISCONTINUED OPERATIONS (Note 9):		
Loss from discontinuance of operations and plant shutdowns, net of income tax benefits of \$1,551,000 and \$557,000 in 1982 and 1981, respectively	(1,466,000)	(738,000)
NET INCOME (LOSS)	<u>\$ (2,984,000)</u>	<u>\$ 4,419,000</u>
PER SHARE (Note 1):		
Income (loss) from continuing operations-		
Class A	\$(13.06)	\$44.37
Class B	(1.31)	4.44
	<u>=====</u>	<u>=====</u>
Net income (loss)-		
Class A	\$(25.68)	\$38.02
Class B	(2.57)	3.80
	<u>=====</u>	<u>=====</u>

The accompanying notes to financial statements
are an integral part of this statement.

GREDE FOUNDRIES, INC.

STATEMENT OF REINVESTED EARNINGS

FOR THE YEARS ENDED

OCTOBER 30, 1982, AND OCTOBER 31, 1981

	<u>1982</u>	<u>1981</u>
REINVESTED EARNINGS AT BEGINNING OF THE YEAR	\$36,056,000	\$32,102,000
NET INCOME (LOSS)	(2,984,000)	4,419,000
LESS CASH DIVIDENDS:		
5% Preferred Stock--\$5 per share in both years	1,000	1,000
Class A Common Stock--\$4.00 per share in 1982 and 1981	386,000	386,000
Class B Common Stock--\$0.40 per share in 1982 and 1981	78,000	78,000
	<u>465,000</u>	<u>465,000</u>
REINVESTED EARNINGS AT END OF THE YEAR	<u>\$32,607,000</u>	<u>\$36,056,000</u>

The accompanying notes to financial statements
are an integral part of this statement.

GREDE FOUNDRIES, INC.

STATEMENT OF CHANGES IN FINANCIAL POSITION

FOR THE YEARS ENDED

OCTOBER 30, 1982, AND OCTOBER 31, 1981

	<u>1982</u>	<u>1981</u>
WORKING CAPITAL WAS PROVIDED FROM:		
Operations-		
Net income (loss) from continuing operations	\$(1,518,000)	\$ 5,157,000
Add-		
Depreciation and amortization	5,841,000	6,009,000
Deferred income taxes	(165,000)	266,000
Loss on disposal of assets	24,000	314,000
	<u>5,700,000</u>	<u>6,589,000</u>
Total working capital provided from continuing operations	4,182,000	11,746,000
Loss from discontinued operations	(1,466,000)	(738,000)
Loss on writedown of assets	410,000	-
Proceeds from additional long-term loans	1,980,000	1,000,000
Proceeds from life insurance policy loans	80,000	178,000
Deferred pension	750,000	-
Future income tax benefits	191,000	-
Other	63,000	34,000
	<u>6,190,000</u>	<u>12,220,000</u>
WORKING CAPITAL WAS USED FOR:		
Purchase of property, plant and equipment	12,066,000	3,828,000
Retirement of preferred stock	6,000	3,000
Dividends paid	465,000	465,000
Reduction of long-term debt	1,264,000	994,000
Industrial revenue bond funds in trust	452,000	962,000
Other	478,000	162,000
	<u>14,731,000</u>	<u>6,414,000</u>
INCREASE (DECREASE) IN WORKING CAPITAL	<u>\$(8,541,000)</u>	<u>\$ 5,806,000</u>
CHANGES IN COMPONENTS OF WORKING CAPITAL:		
Increase (decrease) in current assets-		
Cash and marketable securities	\$(6,639,000)	\$ 5,933,000
Accounts receivable	(10,531,000)	5,165,000
Inventories	(3,195,000)	(158,000)
Refundable income taxes, net	4,071,000	(1,959,000)
Other	(469,000)	445,000
	<u>(16,763,000)</u>	<u>9,426,000</u>
Increase (decrease) in current liabilities-		
Notes payable to banks	-	-
Current maturities of long-term debt	131,000	65,000
Accounts payable	(3,727,000)	628,000
Accrued expenses	(4,626,000)	2,927,000
	<u>(8,222,000)</u>	<u>3,620,000</u>
INCREASE (DECREASE) IN WORKING CAPITAL	<u>\$(8,541,000)</u>	<u>\$ 5,806,000</u>

The accompanying notes to financial statements
are an integral part of this statement.

GREDE FOUNDRIES, INC.

NOTES TO FINANCIAL STATEMENTS

OCTOBER 30, 1982, AND OCTOBER 31, 1981

(1) Summary of Significant Accounting Policies-

(a) Inventories-

Inventories accounted for using the last-in, first-out method ("LIFO") (approximately 66% in 1982 and 74% in 1981) are stated at cost which does not exceed market. The remaining inventories are stated at the lower of cost or market using the first-in, first-out method. If the first-in, first-out method had been used by the Company to cost all inventories, they would have been \$2,450,000 and \$3,420,000 higher than reported at October 30, 1982, and October 31, 1981, respectively.

During 1982, the Company liquidated certain LIFO inventories that were carried at lower costs prevailing in prior years. The effect of this action was to increase income from continuing operations before provision for income taxes by \$940,000.

(b) Property, Plant and Equipment-

Depreciation on assets purchased prior to January 1, 1981, is based on the sum-of-the-years digits method for both financial reporting and tax purposes. Assets acquired subsequent to that time are depreciated on the straight-line method for financial reporting and under the Accelerated Cost Recovery System for tax purposes. The impact of this change for financial reporting is not material to the reported results of operations for 1981.

Ordinary maintenance and repair items are charged directly against current operations. Assets are removed from the books in the year they become fully depreciated.

(c) Net Income (Loss) Per Share of Common Stock-

Net income (loss) per share of common stock was computed by dividing net income (loss), less dividends on preferred stock, by the number of common shares outstanding after giving effect to the relative par value of each class of stock.

(2) Deferred Profit Sharing and Retirement Plans-

The Company has a deferred profit sharing plan for salaried employees. There were no amounts provided in 1982. The amount charged to operations in 1981 was \$780,000 and was funded currently.

The Company also has a deferred compensation plan for key executives providing for periodic payments upon retirement. Amounts charged to operations in the current year were not significant.

The Company has retirement plans for all salaried and hourly employees. The costs charged to operations in 1982 and 1981 were \$750,000 and \$1,315,000, respectively. The Company's policy is to provide and contribute amounts sufficient to satisfy the funding requirements of the Employee Retirement Income Security Act (ERISA). Amounts provided in 1982 are not required to be funded currently, and accordingly, are classified as a noncurrent liability.

A comparison of accumulated plan benefits and plan net assets for the Company's retirement plans is presented below:

Actuarial present value of accumulated
plan benefits:

	<u>May 30, 1982</u>	<u>May 30, 1981</u>
Vested	\$ 6,523,000	\$ 8,216,000
Nonvested	1,539,000	1,244,000
	-----	-----
	\$ 8,062,000	\$ 9,460,000
	=====	=====
Net assets available for benefits	\$11,371,000	\$12,748,000
	=====	=====

The assumed rate of return used in determining the actuarial present value of accumulated plan benefits was 7%.

(3) Unused Lines of Credit-

The Company had unused lines of credit of \$7,000,000 as of October 30, 1982, and October 31, 1981.

(4) Long-Term Debt-

Long-term debt consists of the following:

	<u>1982</u>	<u>1981</u>
11.083% promissory notes payable in equal annual installments of \$750,000	\$ 6,000,000	\$6,750,000
5-3/4% - 6-1/4% industrial revenue bonds payable in equal annual installments of \$50,000	600,000	650,000
5-3/8% - Small Business Administration note payable in equal monthly installments of \$6,489, including interest	358,000	466,000
9-1/2% mortgage note payable in equal monthly installments of \$6,663, including interest	638,000	656,000
Industrial revenue bonds, variable interest rate currently at 9.75%, payable in equal annual installments of \$132,000	1,868,000	1,000,000
Note payable, interest rate currently at 12%, payable in equal quarterly installments of \$25,000	905,000	-
	<u>10,369,000</u>	<u>9,522,000</u>
Less- Portion included in current liabilities	1,125,000	994,000
	<u>\$ 9,244,000</u>	<u>\$8,528,000</u>
	=====	=====

(5) Commitments-

Total rent expense, principally for the truck fleet and office operations, amounted to \$1,640,000 and \$1,773,000 for the years 1982 and 1981, respectively. Minimum aggregate rental requirements under noncancelable operating leases over the next five years total approximately \$475,000.

(6) Income Taxes-

The difference between the normal Federal income tax rate of 46% and the effective tax rate (provision (credit) for income taxes as a percentage of pretax income (loss)) of 55.6% and 43.0% in 1982 and

1981, respectively, is due primarily to state income taxes and investment tax credits. Investment tax credits were \$1,026,000 in 1982 and \$282,000 in 1981, and are treated as reductions in the income tax provision in the year the qualified property is acquired.

Future income tax benefits and deferred income taxes have been provided in the applicable years to recognize the difference in timing of certain costs for financial statement purposes from that permitted for income tax purposes.

The refundable income tax of \$4,071,000 reflected on the balance sheet in 1982 results from the carryback of the net operating loss and the investment credit carryback. At October 30, 1982, the Company has available a net tax benefit of \$370,000 arising from state net operating loss carryforwards and other credits.

(7) Common Stock-

The holder of the common stock Class A and the common stock Class B shall be entitled to receive dividends equally at the same rate percentage of par value of such stock. The common stock of each class shall be entitled to one vote for each share of each class.

(8) Industrial Revenue Bond Funds in Trust-

At October 30, 1982, \$1,414,000 have not been expended from the proceeds of the City of Kingsford Economic Development Limited Obligation Revenue Bonds and the City of Milwaukee Industrial Development Revenue Bonds. These funds are committed to purchase additional plant equipment in the next two years under the terms of the bond agreements.

(9) Discontinued Operations and Plant Shutdowns-

The Company has permanently closed its Spring City Foundry and suspended operations at its Hutchinson and Short Run Specialty Foundries. It is anticipated that assets comprised of land, building and equipment related to Spring City will be sold early in 1983 for an estimated loss of \$395,000, net of tax. This loss is included in the \$1,466,000 current year after-tax loss. The Hutchinson and Short Run Specialty Foundries may be reopened in the future. The fixed assets of the above foundries are classified in the accompanying balance sheet under nonoperating properties.

Sales and after-tax (loss) income applicable to these operations are detailed below:

	Sales		After-tax (Loss) Income	
	1982	1981	1982	1981
Spring City	\$ 5,457,000	\$14,346,000	\$(1,221,000)	\$(359,000)
Hutchinson	1,179,000	2,898,000	(227,000)	(461,000)
SRS Foundry	689,000	1,480,000	(18,000)	82,000
	-----	-----	-----	-----
Total	\$ 7,325,000	\$18,724,000	\$(1,466,000)	\$(738,000)
	=====	=====	=====	=====

This report is for the calendar year ending December 31, 1983.
Read All Instructions Carefully Before Making Any Entries on Form

This facility did not treat, store, or dispose of regulated quantities of hazardous waste at any time during 1983. ☐

Facility Biennial Hazardous Waste Report for 1983 (cont.)

This report is for the calendar year ending December 31, 1983.

Date rec'd: _____ Rec'd by: _____

IX. FACILITY'S EPA I.D. NO.

T/A C

F	M	I	D	0	0	6	1	3	1	8	9	0	1
1	2									13	14	15	

X. GENERATOR'S EPA I.D. NO.

G	M	I	D	0	0	6	1	3	1	8	9	0
16												28

XI. GENERATOR NAME (specify generator from whom all wastes on this page were received)

Iron Mountain Foundry

Grede Foundries, Inc.

ON-SITE ☒

XII. GENERATOR ADDRESS

See IV.

XIII. TOTAL WASTE IN STORAGE ON DECEMBER 31, 1983 (complete this section only once for your facility)

S01	AMOUNT OF WASTE	UOM	S02	AMOUNT OF WASTE	UOM	S03	AMOUNT OF WASTE	UOM
S04	AMOUNT OF WASTE	UOM	S05	AMOUNT OF WASTE	UOM			

XIV. WASTE IDENTIFICATION

Sequence #	Line #	A. Description of Waste	B. EPA Hazardous Waste No. (see instructions)	C. Handling Method	D. Amount of Waste	E. Unit of Measure
29	32	1 Cupola Emission Control Dust	D 0 0 8 D 0 0 6 33 36 37 40 41 44 45 48	T 4 7 49 51	2 3 3 52 60	T 61
		2 Same Waste		D 8 1		
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				
		11				
		12				

XV. COMMENTS (enter information by section number—see instructions)

The amount of waste shown is the amount of Cupola Emission Control Dust that was generated in 1983. It was treated with clay bearing spent foundry sand to render it non-hazardous before it left our site for the landfill. Density is about one ton per cubic yard.

Since the material disposed of is non-hazardous, and since we do not own or operate the landfill, no groundwater monitoring data is available. However, extensive research done by the University of Wisconsin and Residuals Management Technology, both of Madison, Wisconsin, shows that this type of waste is non-hazardous and does not leach hazardous material.

Tear out here

GREDE FOUNDRIES, INC.

EXECUTIVE
OFFICES

February 21, 1984

RCRA Activities
EPA Region V
P. O. Box A-3587
Chicago, Illinois 60690-3587

Attention: Biennial Report

Gentlemen:

Enclosed is the FACILITY BIENNIAL HAZARDOUS WASTE
REPORT FOR 1983 for our Iron Mountain Foundry, Kingsford,
Michigan.

If you have any questions, please call me at 414-257-3600.
Thank you.

Sincerely yours,



James T. Williams
Vice President

JTW:ds/T/07

Enclosure